STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: _10/552,660A_
Source: _IFW_
Date Processed by STIC: _7/3/06_

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:
1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY
FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE __CHECKER VERSION 4.4.0 PROGRAM__, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:
            http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.
Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.
Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio **(<http://www.uspto.gov/ebc/efs/downloads/documents.htm>** , **EFS Submission User Manual - ePAVE)**
2. **U.S. Postal Service:** Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. **Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):**
   U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/10/06

Raw Sequence Listing Error Summary

ERROR DETECTED	SUGGESTED CORRECTION	SERIAL NUMBER: _10/552,660A_

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

1 _____Wrapped Nucleics
Wrapped Aminos
The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."

2 _____Invalid Line Length
The rules require that a line not exceed 72 characters in length. This includes white spaces.

3 _____Misaligned Amino
Numbering
The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.

4 _____Non-ASCII
The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.

5 _____Variable Length
Sequence(s) ____ contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.

6 _____PatentIn 2.0
"bug"
A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.

7 _____Skipped Sequences
(OLD RULES)
Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence:
(2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
(i)   SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
This sequence is intentionally skipped
Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.

8 _____Skipped Sequences
(NEW RULES)
Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence.
<210> sequence id number
<400> sequence id number
000

9 _____Use of n's or Xaa's
(NEW RULES)
Use of n's and/or Xaa's have been detected in the Sequence Listing.
Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

10 _____Invalid <213>
Response
Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence. (see item 11 below)

11 _____Use of <220>
Sequence(s) ____ missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section or use "chemically synthesized" as explanation. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32), also Sec. 1.823 of Sequence Rules

12 _____PatentIn 2.0
"bug"
Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.

13 _____Misuse of n/Xaa
"n" can only represent a single nucleotide; "Xaa" can only represent a single amino acid

AMC – STIC Systems Branch – 03/02/06

IFWO

RAW SEQUENCE LISTING   DATE: 07/03/2006
PATENT APPLICATION: US/10/552,660A   TIME: 11:25:30

Input Set : A:\2577-158b.ST25
Output Set: N:\CRF4\07032006\J552660A.raw

```
   3 <110> APPLICANT: Temasek Life Sciences Laboratory
   5 <120> TITLE OF INVENTION: DETECTION OF TRANSGENES OF GENETICALLY MODIFIED ORGANISMS
USING
   6       PYRO LUMINESCENCE
   8 <130> FILE REFERENCE: 2577-158
C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/552,660A
C--> 10 <141> CURRENT FILING DATE: 2005-10-11
  10 <160> NUMBER OF SEQ ID NOS: 29
  12 <170> SOFTWARE: PatentIn version 3.3
  14 <210> SEQ ID NO: 1
  15 <211> LENGTH: 25
  16 <212> TYPE: DNA
  17 <213> ORGANISM: Primer
  19 <400> SEQUENCE: 1
  20 agtatccttc gcaagaccct tcctc                                       25
  23 <210> SEQ ID NO: 2
  24 <211> LENGTH: 25
  25 <212> TYPE: DNA
  26 <213> ORGANISM: Primer
  28 <400> SEQUENCE: 2
  29 gcattcagag aaacgtggca gtaac                                       25
  33 <210> SEQ ID NO: 3
  34 <211> LENGTH: 25
  35 <212> TYPE: DNA
  36 <213> ORGANISM: Primer
  38 <400> SEQUENCE: 3
  39 attgatgtga tatctccact gacgt                                       25
  43 <210> SEQ ID NO: 4
  44 <211> LENGTH: 25
  45 <212> TYPE: DNA
  46 <213> ORGANISM: Primer
  48 <400> SEQUENCE: 4
  49 cctctccaaa tgaaatgaac ttcct                                       25
  52 <210> SEQ ID NO: 5
  53 <211> LENGTH: 21
  54 <212> TYPE: DNA
  55 <213> ORGANISM: Primer
  57 <400> SEQUENCE: 5
  58 ccacgtcttc aaagcaagtg g                                           21
  61 <210> SEQ ID NO: 6
  62 <211> LENGTH: 25
  63 <212> TYPE: DNA
  64 <213> ORGANISM: Primer
  66 <400> SEQUENCE: 6
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pp 1-4
(global error)
invalid response - see item 10
on Error Summary Sheet

Does Not Comply
Corrected Diskette Needed

file://C:\CRF4\Outhold\VsrJ552660A.htm   7/3/2006

RAW SEQUENCE LISTING   DATE: 07/03/2006
PATENT APPLICATION: US/10/552,660A   TIME: 11:25:30

Input Set : A:\2577-158b.ST25
Output Set: N:\CRF4\07032006\J552660A.raw

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 71 <211> LENGTH: 25
 72 <212> TYPE: DNA
 73 <213> ORGANISM: Primer
 75 <400> SEQUENCE: 7
 76 attgatgtga tatctccact gacgt                                    25
 79 <210> SEQ ID NO: 8
 80 <211> LENGTH: 20
 81 <212> TYPE: DNA
 82 <213> ORGANISM: Primer
 84 <400> SEQUENCE: 8
 85 ttatcctagt ttgcgcgcta                                          20
 88 <210> SEQ ID NO: 9
 89 <211> LENGTH: 25
 90 <212> TYPE: DNA
 91 <213> ORGANISM: Primer
 93 <400> SEQUENCE: 9
 94 tatctccact gacgtaaggg atgac                                    25
 97 <210> SEQ ID NO: 10
 98 <211> LENGTH: 25
 99 <212> TYPE: DNA
100 <213> ORGANISM: Primer
102 <400> SEQUENCE: 10
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106 <210> SEQ ID NO: 11
107 <211> LENGTH: 25
108 <212> TYPE: DNA
109 <213> ORGANISM: Primer
111 <400> SEQUENCE: 11
112 cggatggtcc ttatgcaatt ttgtc                                    25
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117 <212> TYPE: DNA
118 <213> ORGANISM: Primer
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121 ctctcggcgt agatttggta ca                                       22
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125 <211> LENGTH: 25
126 <212> TYPE: DNA
127 <213> ORGANISM: Primer
129 <400> SEQUENCE: 13
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135 <212> TYPE: DNA
136 <213> ORGANISM: Primer
138 <400> SEQUENCE: 14
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Input Set : A:\2577-158b.ST25
Output Set: N:\CRF4\07032006\J552660A.raw

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144  <212> TYPE: DNA
145  <213> ORGANISM: Primer
147  <400> SEQUENCE: 15
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151  <210> SEQ ID NO: 16
152  <211> LENGTH: 22
153  <212> TYPE: DNA
154  <213> ORGANISM: Primer
156  <400> SEQUENCE: 16
157  ggacaacaac cacaacatca ac                                          22
160  <210> SEQ ID NO: 17
161  <211> LENGTH: 19
162  <212> TYPE: DNA
163  <213> ORGANISM: Primer
165  <400> SEQUENCE: 17
166  cgatgggggt gtaaccggt                                              19
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170  <211> LENGTH: 19
171  <212> TYPE: DNA
172  <213> ORGANISM: Primer
174  <400> SEQUENCE: 18
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179  <211> LENGTH: 18
180  <212> TYPE: DNA
181  <213> ORGANISM: Primer
183  <400> SEQUENCE: 19
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188  <211> LENGTH: 23
189  <212> TYPE: DNA
190  <213> ORGANISM: Primer
192  <400> SEQUENCE: 20
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197  <211> LENGTH: 25
198  <212> TYPE: DNA
199  <213> ORGANISM: Primer
201  <400> SEQUENCE: 21
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205  <210> SEQ ID NO: 22
206  <211> LENGTH: 25
207  <212> TYPE: DNA
208  <213> ORGANISM: Primer
210  <400> SEQUENCE: 22
211  agatcatcaa tccactcttg tggtg                                       25
214  <210> SEQ ID NO: 23
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217 <213> ORGANISM( Primer )
219 <400> SEQUENCE: 23
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223 <210> SEQ ID NO: 24
224 <211> LENGTH: 19
225 <212> TYPE: DNA
226 <213> ORGANISM( Primer )
228 <400> SEQUENCE: 24
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233 <211> LENGTH: 21
234 <212> TYPE: DNA
235 <213> ORGANISM: Primer
237 <400> SEQUENCE: 25
238 ctatattttg ttttctatcg c                                     21
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242 <211> LENGTH: 23
243 <212> TYPE: DNA
244 <213> ORGANISM( Primer )
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250 <210> SEQ ID NO: 27
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252 <212> TYPE: DNA
253 <213> ORGANISM: Primer
255 <400> SEQUENCE: 27
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260 <211> LENGTH: 20
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262 <213> ORGANISM( Primer )
264 <400> SEQUENCE: 28
265 actgggctcc acgctctaca                                       20
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269 <211> LENGTH: 21
270 <212> TYPE: DNA
271 <213> ORGANISM( Primer )
273 <400> SEQUENCE: 29
274 aaacccacgt catgccagtt c                                     21
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VERIFICATION SUMMARY   DATE: 07/03/2006
PATENT APPLICATION: US/10/552,660A   TIME: 11:25:31

Input Set : A:\2577-158b.ST25
Output Set: N:\CRF4\07032006\J552660A.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application No
L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date